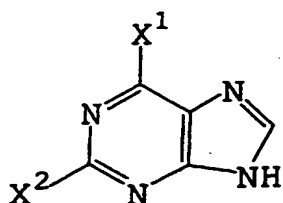


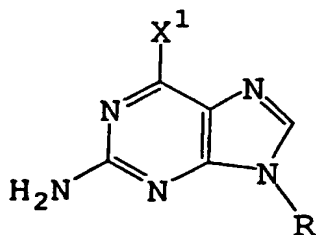
## CLAIMS

1. A production method of 2,6-dihalo<sub>2</sub>purine of the formula [II]

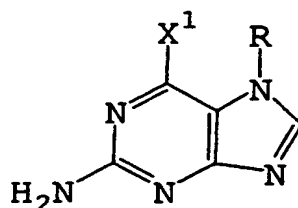


[II]

wherein X¹ and X² are the same or different and each is a  
 5 halogen atom, which comprises reacting a compound of the  
 formula [Ia] or [Ib]



[Ia]



[Ib]

wherein X¹ is a halogen atom and R is a hydrogen atom or acyl  
 group, with a halosilane compound and an agent for diazo  
 10 reaction.

2. The production method of claim 1, wherein the agent for  
 diazo reaction is a nitrite ester.

15 3. The production method of claim 2, wherein the nitrite ester  
 is isoamyl nitrite.

4. The production method of claim 1, wherein the reaction is  
 carried out in the presence of a quarternary ammonium salt.

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5. The production method of claim 4, wherein the quarternary  
 ammonium salt is tetraethylammonium chloride or  
 benzyltriethylammonium chloride.

6. The production method of claim 1, wherein R is an acyl group.
7. The production method of claim 6, wherein the acyl group for  
5 R is acetyl group.
8. The production method of claim 1, wherein the halosilane compound is chlorotrimethylsilane or dichlorodimethylsilane.
- 10 9. The production method of claim 1, wherein the halosilane compound is bromotrimethylsilane.
10. The production method of claim 1, wherein, after introducing an acyl group into the 9-position or the 7-position  
15 of compound of the formula [Ia] or [Ib], wherein R is a hydrogen atom, the obtained compound of the formula [Ia] or [Ib], wherein R is acyl group, is reacted with halosilane compound and the agent for diazo reaction.